

FIG. 1

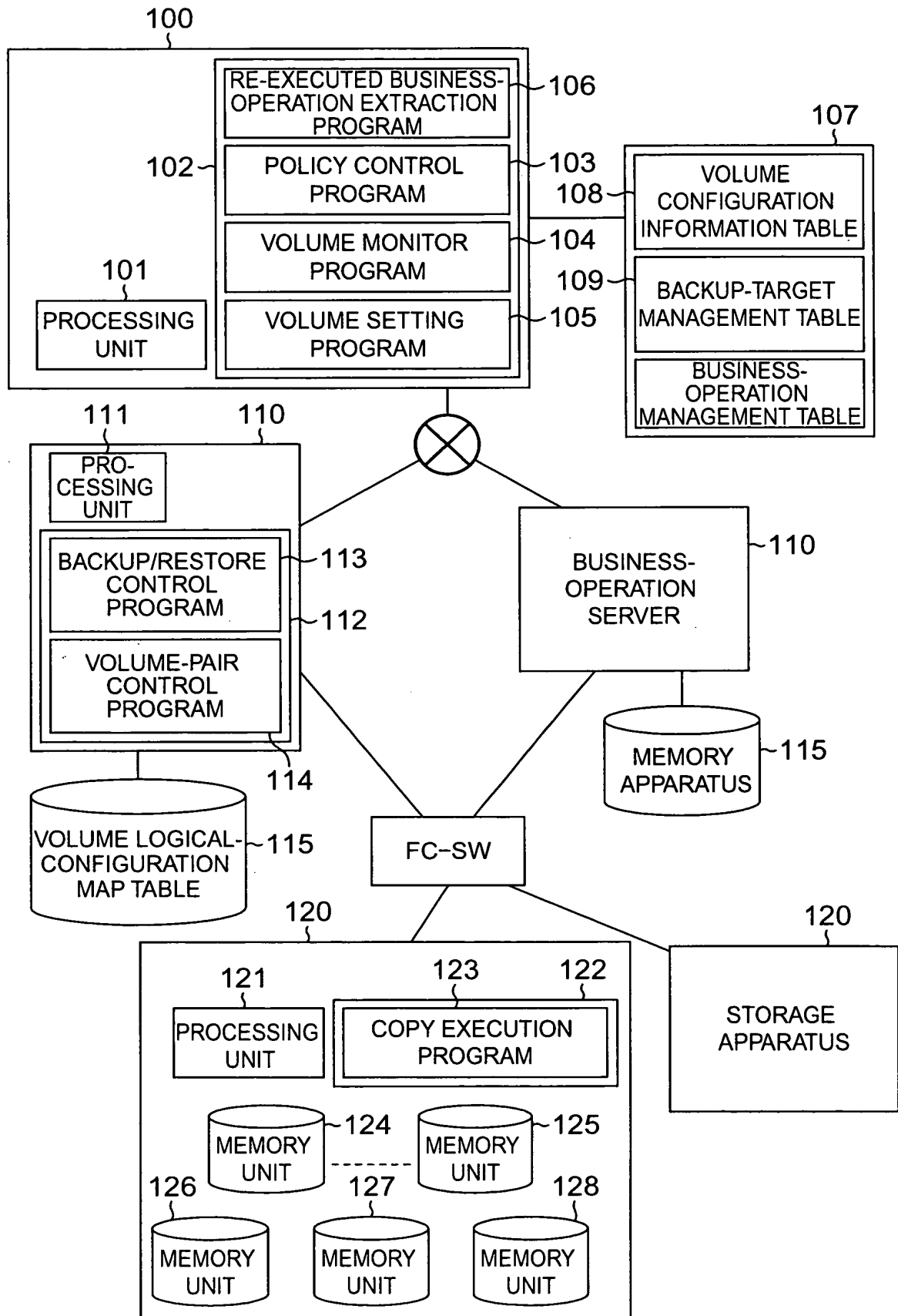


FIG. 2

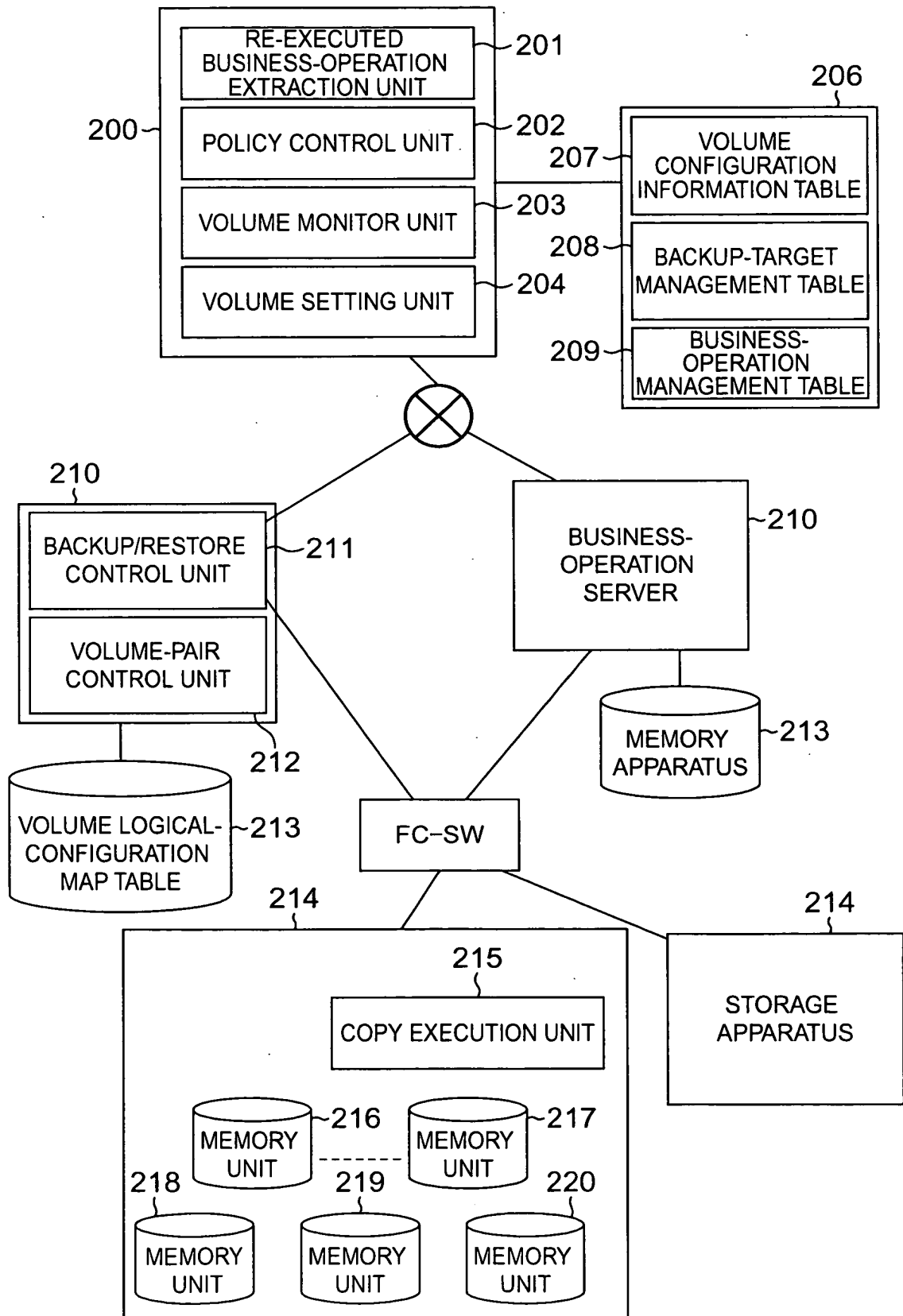


FIG. 3

300	301	302	303	305	304	306	307
GROUP	BACKUP TARGET	SERVER	EXPIRATION TIME-LIMIT	POLICY			
				"NEWEST STATE ONLY"	"SECONDARY UTILIZATION"	"DISASTER RECOVERY"	
A	System	A	—	FLAG IS PRESENT	—	—	
B	Temp	A	2 weeks	FLAG IS PRESENT	FLAG IS PRESENT	—	
C	System,ccc.txt	A	—	—	FLAG IS PRESENT	—	
D	Temp,ddd.txt	A,B	1 year	FLAG IS PRESENT	—	FLAG IS PRESENT	
E	System,eee.txt	B	—	—	—	FLAG IS PRESENT	
⋮	⋮	⋮	⋮	⋮	⋮	⋮	
Q	qqq.txt	C	—	FLAG IS PRESENT	—	—	

FIG. 4

400 DATABASE NAME	401 FILE NAME	402 DEVICE FILE NAME	403 DISK ID	404 HOUSING ID
system	aaa.txt	c5t0d1	001	100
system	bbb.txt	c5t0d2	003	100
temp	ccc.txt	c5t0d3	003	100
:	:	:	:	:
—	qqq.txt	c6t1d3	002	200
:	:	:	:	:

FIG. 5

500 BUSINESS- OPERATION NAME	501 NECESSARY DATA
A	—
B	(A,aaa.txt)
C	(A,aaa.txt),(B,bbb.txt)
D	(A,aaa.txt),(C,temp)
E	(A,aaa.txt),(B,bbb.txt),(C,ddd.txt)

FIG. 6

600 DISK ID	601 HOUSING ID	602 USE SERVER	603 TYPE	604 PAIR-DISK ID	605 PAIR-HOUSING ID	606 AVAILABLE FLAG	608 REPLICATION DATA	607 GROUP	609 BACKUP TARGET	610 GENERATION NUMBER	611 FAULT FLAG
001	100	A	ORIGINAL	003	100	—		—	—	—	
002	100	B	DUPLICATE			—		A	aaa.txt	1	ABSENT
003	100	A	DUPLICATE	001	100	—		C	aaa.txt	2	ABSENT
005	200	C	DUPLICATE	002	200	—	F	Fff.txt	3	PRESENT	

FIG. 7

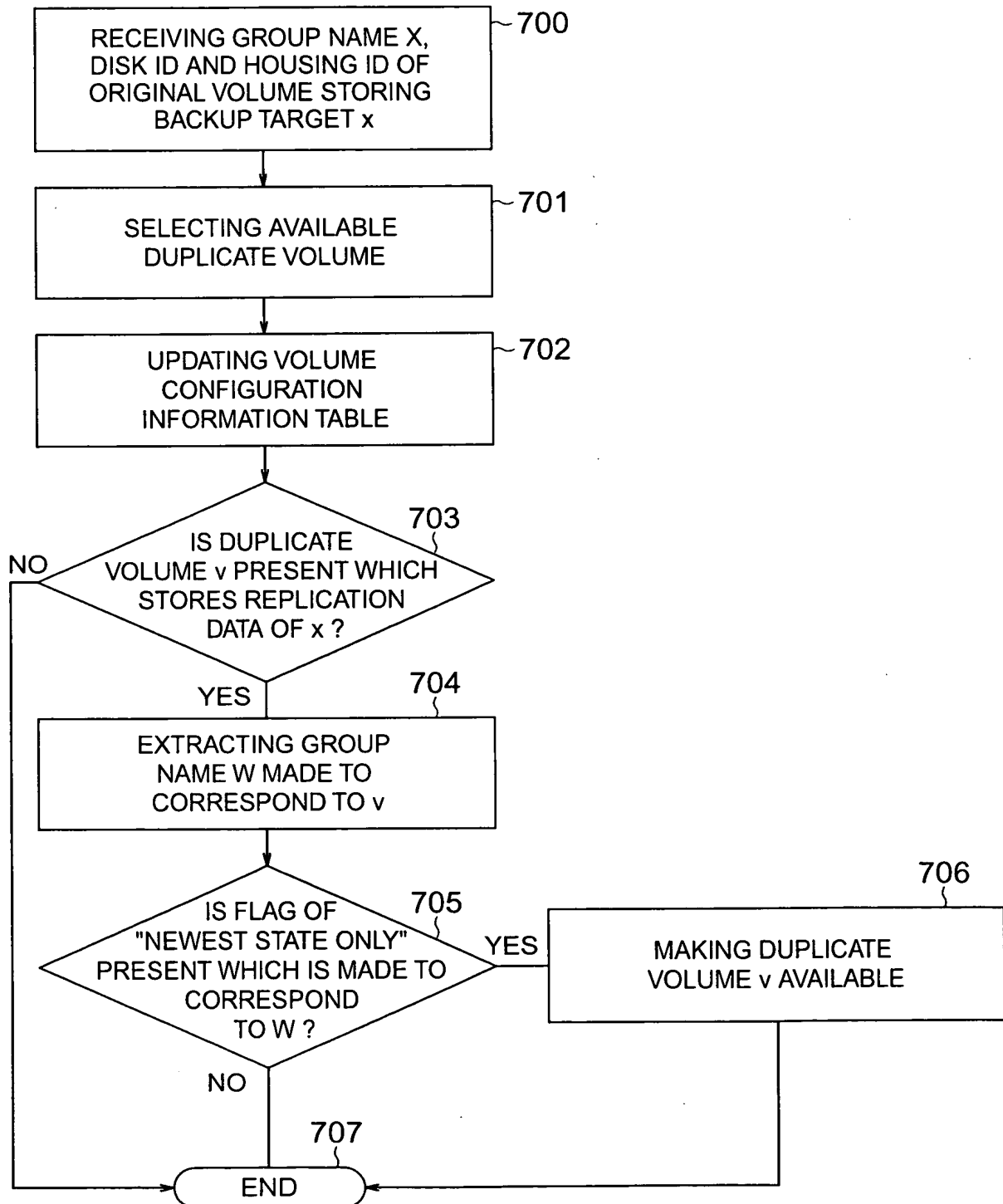


FIG. 8

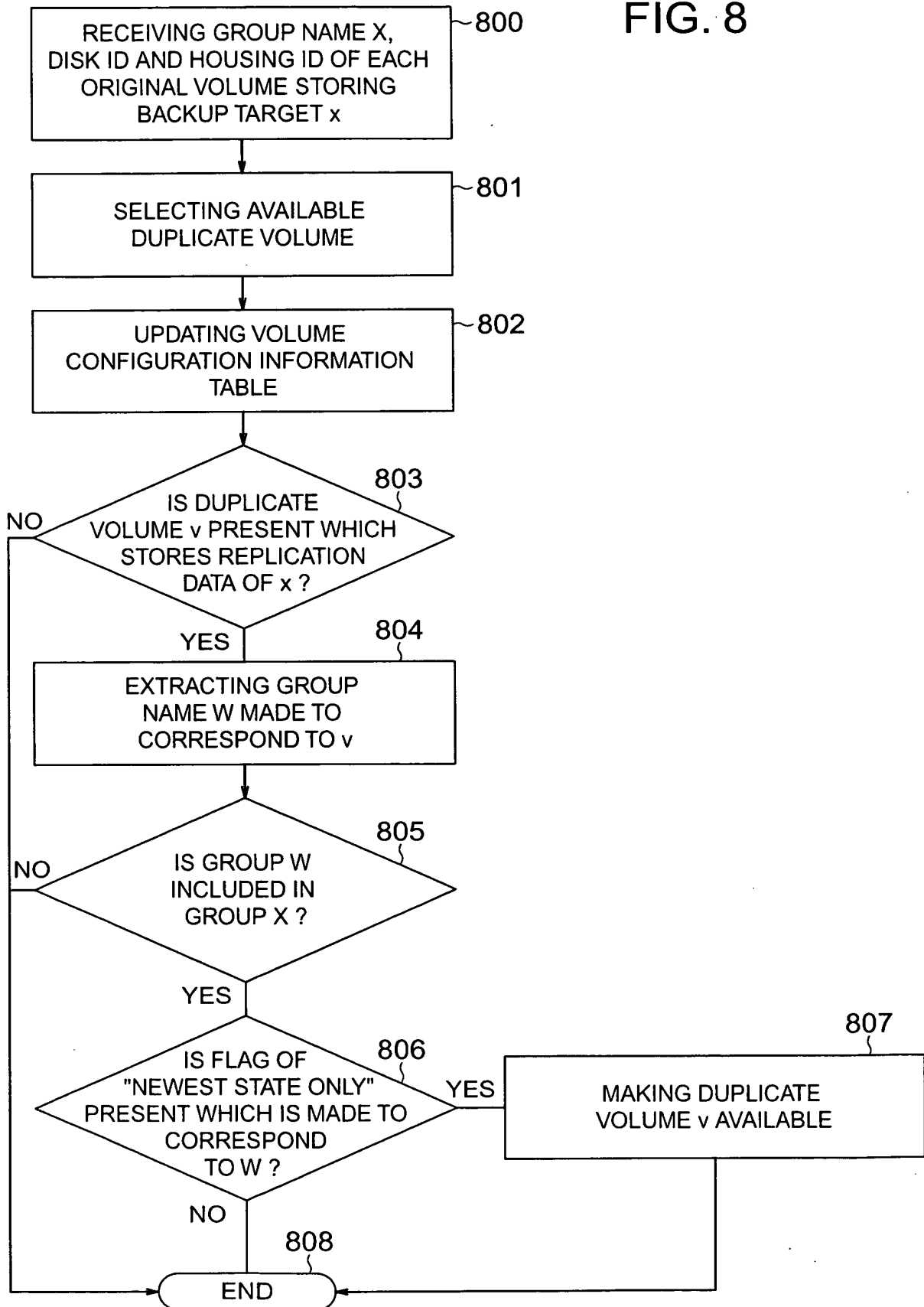


FIG. 9

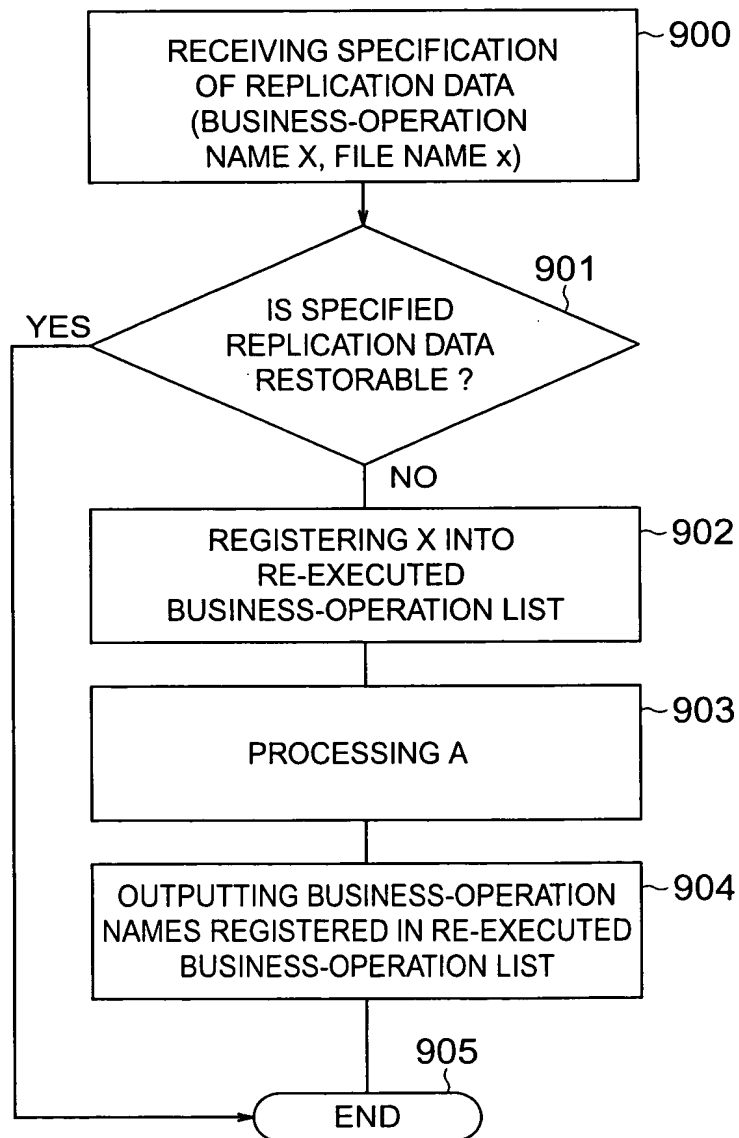


FIG. 10

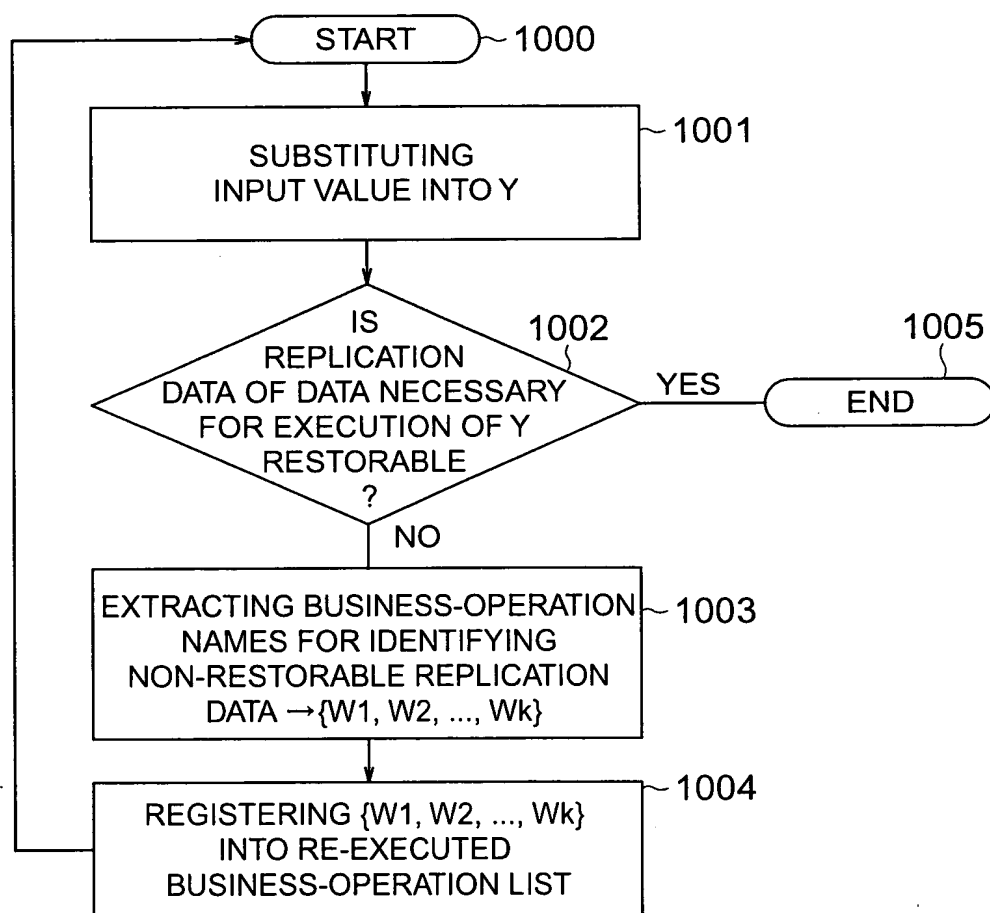


FIG. 11

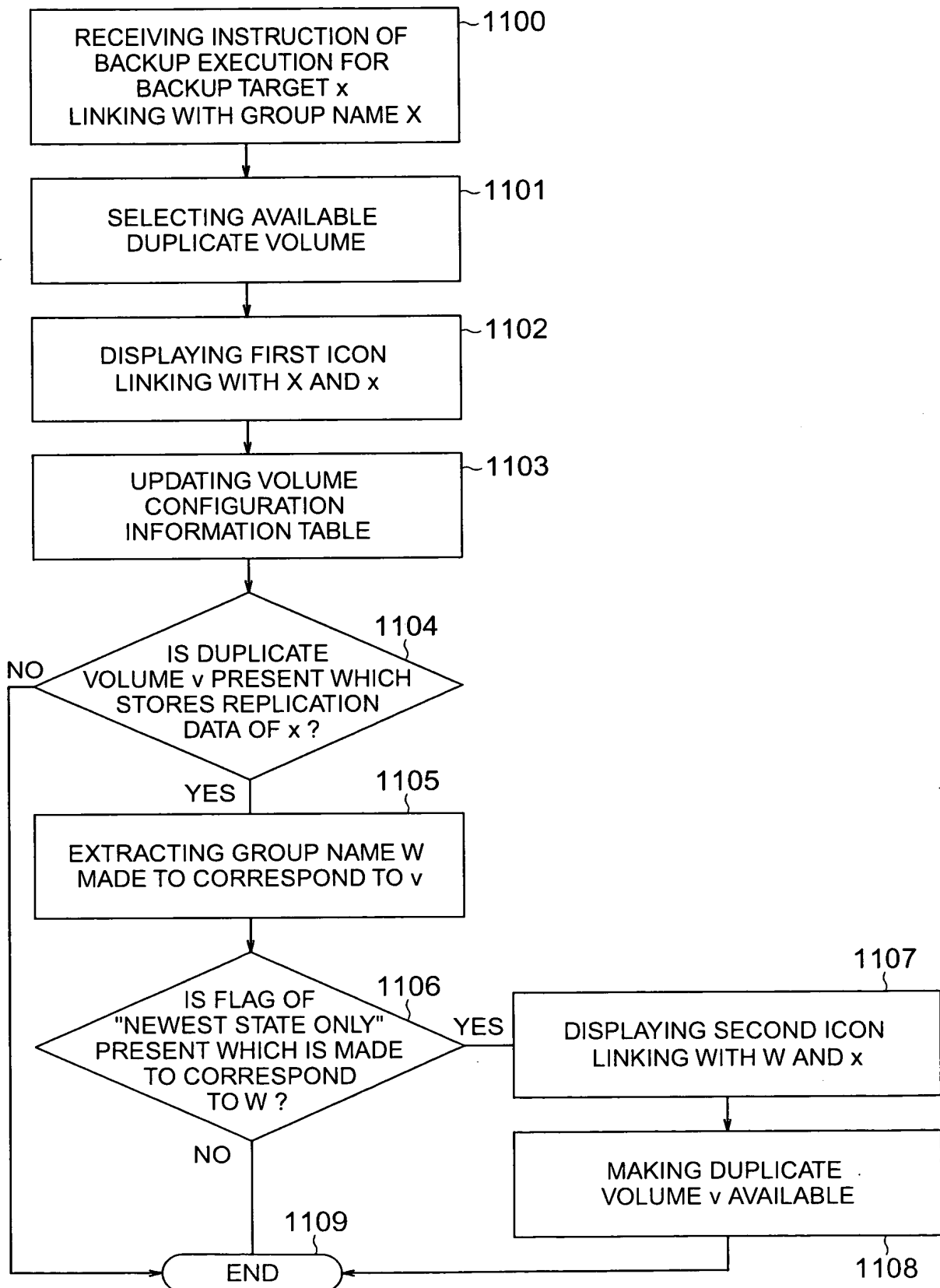


FIG. 12

